2007-2011 JEEP WRANGLER JK V6 TRANSMISSION COOLER KIT

PARTS LIST AND INSTALLATION GUIDE

PARTS LIST

1PC | MISHIMOTO 19-ROW OIL COOLER

3PC | MISHIMOTO APPLICATION-SPECIFIC BRACKETS

1PC | 6-FT BLACK RUBBER 3/8" TRANSMISSION LINE

2PC | 45° -10AN TO 3/8" BARBED PUSH-ON FITTINGS

2PC | 90° BRASS BARBED PUSH-ON FITTINGS

6PC | WORM-GEAR CLAMPS

1PC | MISHIMOTO MOUNTING HARDWARE SET

TOOLS NEEDED

10MM WRENCH FLATHEAD SCREWDRIVER

1/4" DRIVE RATCHET PHILLIPS HEAD SCREWDRIVER

RATCHET EXTENSION POP-CLIP PLIERS

UNIVERSAL EXTENSION OIL

10MM SOCKET FUNNEL

DISCLAIMER

- Please dispose of any liquids properly.
- Allow vehicle to cool completely prior to attempting installation.
- Mishimoto Performance (MP) is not responsible for any vehicle damage or personal injury due to installation errors, misuse, or removal of MP products.
- MP always suggests that a trained professional install all MP products.
- Do not run the engine or drive the vehicle while overheating.
 Serious damage may occur.
- Raise vehicle only on jack stands or on a vehicle lift.

INSTALLATION INSTRUCTIONS

01 | REMOVING THE OEM RADIATOR

- 1. Disconnect the negative battery terminal.
- 2. Unplug the air sensor.
- **3.** Loosen the clamp on the intake hose and remove the hose from the engine bay.
- 4. Disconnect the PCV hose from the airbox.
- 5. Remove the airbox from the Jeep.
- **6.** Remove the four pop clips that hold the upper radiator shroud to the radiator.
- 7. Unplug the turn signals.

- 8. Remove the six screw-type clips from the top of the grille.
- **9.** Remove the grille. Put a bit of pressure on the bottom of the grille to unclip it from the Jeep.



- 10. Remove the four pop clips from the side radiator flaps.
- 11. Disconnect the wire harness from the upper radiator support.
- 12. Disconnect the ambient temperature sensor by removing one pop clip.

02 | PREPARING THE MISHIMOTO TRANSMISSION COOLER FOR INSTALLATION

- 1. Install the bottom brackets to the oil cooler using the supplied Mishimoto hardware.
- 2. Install the L-shaped bracket to the cooler using the supplied Mishimoto hardware.

03 | INSTALLING THE MISHIMOTO TRANSMISSION COOLER

- 1. Install the Mishimoto transmission cooler using five 10mm bolts and one pop clip.
- 2. Relocate the ambient temperature sensor to the bottom of the lower radiator support.



CONTINUED ON FOLLOWING PAGE →

01

2007-2011 JEEP WRANGLER JK V6 TRANSMISSION COOLER KIT

NSTALLATION GUIDE

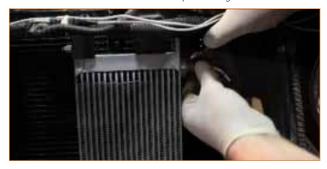
3. Cut the upper transmission cooler line.



- 4. Cut the provided Mishimoto transmission cooler line in half.
- ${\bf 5.}$ Lubricate and install the transmission cooler fittings onto the Mishimoto lines.
- **6.** Tighten down the clamps holding the cooler line fittings in place.

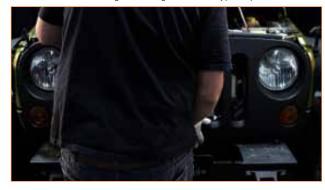


- **7.** Feed the transmission lines into the engine bay and install the fittings into the factory transmission cooler line.
- **8.** Tighten down the clamps that hold the cooler line fittings to the factory line.
- 9. Install the transmission cooler adapter fittings to the cooler.



10. Measure and trim the Mishimoto transmission cooler lines.

- **11.** Tighten the metal fitting adaptors that screw onto the transmission cooler and attach to the transmission lines.
- 12. Reinstall the air-intake box assembly.
- 13. Tighten the clamp that holds the intake tube to the throttle body.
- **14.** Reconnect the mass-airflow sensor. Be sure to depress the red tab, which is a safety measure to prevent the sensor from becoming unplugged.
- 15. Reinstall the front grille using six screw-type clips.



- 16. Reinstall the turn signals.
- 17. Reinstall the upper radiator shroud using four pop clips.



- 18. Reinstall the negative battery terminal
- **19**. Add approximately one quart of Jeep-specific transmission fluid to the system. Remember to check the transmission fluid level while the Jeep is running.
- **20.** You have now successfully installed the Mishimoto Jeep Wrangler JK Transmission Cooler. Enjoy!